




# ROTARY KILN INCINERATOR MOD. ROTOMAC

TECHNOLOGY - DESIGN - ENVIRONMENT

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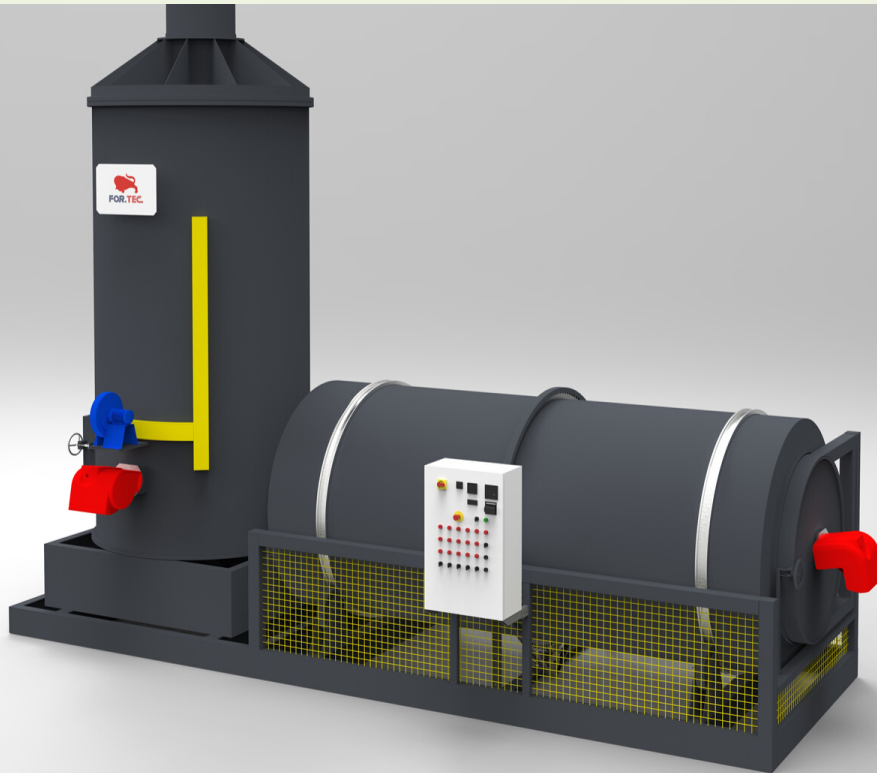
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## ROTARY KILN INCINERATOR MOD. ROTOMAC



Our **waste incinerators** mod. ROTOMAC are **rotary or oscillating combustion chamber** furnaces, which are suitable for the **incineration** of almost all types of **solid and liquid waste** such as whole **animals, slaughtering waste** and generic organic waste but also hazardous and not-hazardous **hospital waste and generic industrial waste**.

They are also an **excellent solution for the disposal of waste sludge**, both dry or containing high percentages of water.

It is possible to set up the system with waste loading and automatic ash unloading systems in order to carry out **continuous cycle work, even 24 hours a day**.

The slight **rotary motion imposed on the combustion chamber accelerates the dehydration and incineration processes** of the waste, thereby reducing fuel consumption compared to a similar static system.

It is possible to install **energy recovery systems** for the production, at zero cost, of hot water, steam or superheated diathermic oil.

On each oven mod. ROTOMAC there is a **postcombustion chamber**, adequately structured so as to **comply with the operating parameters imposed by current anti-pollution regulations** such as:

- Operating temperature:> 850 ° C or> 1100 ° C depending on the waste
- Gas residence time:> 2 seconds
- Free oxygen content:> 6%

**Customized depuration systems** can be combined with the postcombustion chamber, in order to guarantee full compliance with all emission limits and anti-pollution regulations.



## ENERGY TO WASTE

Thanks to our energy recovery systems, waste becomes an opportunity and an alternative source of energy.

## TECHNOLOGY

The technology which is adopted for waste incineration incorporates the latest engineering findings in order to guarantee fuel savings and low emissivity levels.

## QUALITY

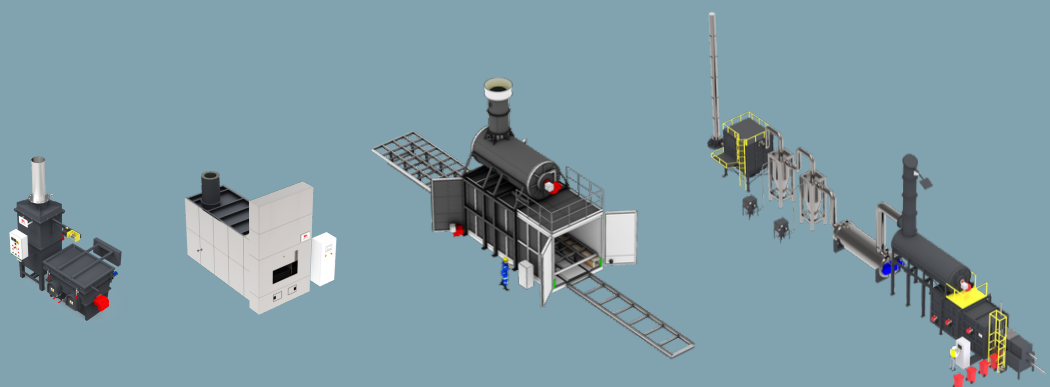
Rotomac incinerator is designed and built entirely in Italy, by Italian technicians, with materials made in Italy, in order to guarantee a very high quality standard.



\*illustrative and non-binding images

## PRODUCT RANGE

- WASTE INCINERATOR
- CREMATORIES
- INDUSTRIAL OVEN
- DEPURATION SYSTEM
- ENERGY RECOVERY



MODEL	ROTOMAC	1000	1500	2500	4000	6000
Incineration chamber volume	$m^3$	0,9	1,5	2,5	4,0	6,0
Burning capacity (max)*	$Kg/h$	100	150	250	350	500
Load capacity (max)*	$Kg/cycle$	200/350	300/550	500/900	850/1500	1350/2500
Power supply	$V/Hz$	220/50	220/50	400/50	400/50	400/50
Fuels	Type	Diesel/Natural Gas/LPG	Diesel/Natural Gas/LPG	Diesel/Natural Gas/LPG	Diesel/Natural Gas/LPG	Diesel/Natural Gas/LPG

\* indicative and non-binding data

## CUSTOMIZED SERVICES

- Feasibility studies
- Functional Layouts
- Thermo fluid dynamics CFD simulations
- Assistance with authorization procedures
- Scheduled maintenance
- Remote assistance

## QUALITY

Certified Company Management System **ISO 9001: 2015**

Certified Environmental Management System **ISO 14001:2015**

